

# SQL Server Training: Transforming Data with SSIS (SSISCOMP, 3 jours)

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## Description

The course Transforming Data with SSIS (SQL Server Training) covers the full range of SSIS concepts from the basics of data sources to advanced data flows and control flows. The course begins with a tour of Visual Studio .NET and its many windows, dialog boxes and features. From there, you learn to import data from delimited & positional files, to export data to external data sources and to implement simple error conditions. The training includes how to implement complex data transformation tasks and how to handle NULL values & encoding changes. The course also discusses data load operations that are common to SQL Server data warehouses that make use of a Star schema.

## Tarifs

- Tarification: \$3,350/person
- Rabais de 10% lorsque vous inscrivez 3 personnes.

## Plan de cours

### SSIS Overview

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SQL Server Core Services

SSIS Architecture

The .NET Framework Runtime

About .NET Namespaces

Using BI Development Studio

Creating a SSIS Project

Debugging a SSIS Package

### SSIS Essentials

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About the Integration Services Template

Understanding Data Sources and Data Source Views

About Packages and the Package Explorer

Creating Packages

About Control Flow and Data Flow

About Event Handlers

### SSIS Data Sources

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The Need for a Data Connection

Establishing a Connection using a Provider

About SQL Server and Oracle Connections

Creating a Data Source

Using Data Source Views

### SSIS Control Flow

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Creating a Package

About Package Templates

The Need for Data to Process Separation

Distinguishing between the Control Flow and the Data Flow

About the Control Flow Designer

Implementing Structure with Containers

Implementing Functionality with Tasks

Implementing Precedence with Precedence Constraints

### SSIS Data Flow

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Understanding the Need for Data Flows

About the Data Flow Designer

Implementing Inputs with Data Sources

Implementing Outputs with Data Destinations

Modifying and Aggregating Data with Transformations

Connecting Inputs and Outputs with Data Paths

Handling Errors

Implementing Event Handlers

Common Tasks

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Using SSIS to Import and Transform Data

Using SSIS to Export and Transform Data

Using SSIS to Transfer Data between Servers

Using SSIS to Load a Data Warehouse

Using SSIS to implement a Complex Business Process

Loading a Data Warehouse with SSIS